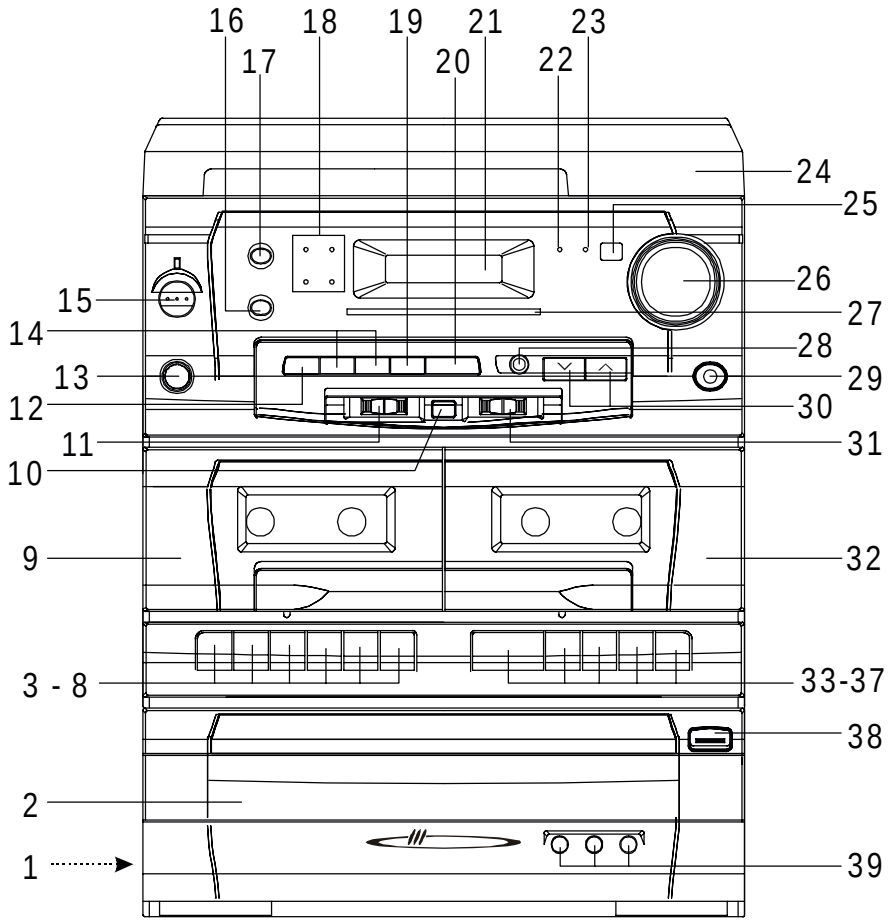
LOCATION OF CONTROLS



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LOCATION OF CONTROLS

1. Mains Lead , Speaker Sockets and FM Antenna Wire (at the rear of the unit)
2. CD Tray
3. RECORD Button
4. PLAY Button
5. REWIND Button
6. FAST FORWARD Button
7. STOP / EJECT Button
8. PAUSE Button
9. CASSETTE Compartment A
10. CD / DISC Skip Button
11. FUNCTION Selector (Phono/Tuner/Tape/CD)
12. Program Button
13. BALANCE Control
14. CD Skip/Search Forward Button
    CD Skip/Search Backward Button
15. STANDBY / ON Button
16. CD REPEAT Button
17. Preset Equalizer
18. EQ Indicator
19. CD STOP Button
20. CD PLAY/PAUSE Button.
21. LCD Display
22. MUTE Indicator
23. FM Stereo Indicator
24. Turntable (PHONO)
25. REMOTE Sensor
26. TUNING Knob
27. DIAL Pointer
28. HIGH SPEED DUBBING/ FM Stereo Selector
29. HEADPHONE Socket
30. VOLUME Up / Down Button
31. RADIO Band Wave Selector
32. CASSETTE Compartment B
33. PLAY Button
34. REWIND Button
35. FAST FORWARD Button
36. STOP / EJECT Button
37. PAUSE Button
38. CD Open / Close Button
39. CD DIRECT Access - 1, 2, 3

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PREPARATION FOR USE

Remove the stereo carefully from the box, retaining the packaging for future use.

Read these instructions carefully before use.

CONNECTIONS

Before switching on your stereo system, ensure that it is connected as follows:

SPEAKERS

Connect the speakers to the speaker sockets on the back of the music system.

- ❍ Connect the left speaker to the left speaker socket and the right speaker to the right speaker socket.
- ❍ Connect the Mains Lead to an AC outlet.
- ❍ Insert two AAA size batteries into the battery compartment of the remote control.

You are now ready to switch on the power.

LISTENING TO THE RADIO

OPERATION

- ❍ Press the STANDBY/ON Button to turn the unit on.
- ❍ Set the FUNCTION Selector to the TUNER position.
- ❍ Set the RADIO BAND Selector in the appropriate position depending on which waveband you wish to hear.
- ❍ Tune in the broadcast station you desire by using the TUNING knob.
- ❍ Adjust the VOLUME to the desired level using the VOLUME Control Buttons.
- ❍ To turn off the radio, press the STANDBY/ON Button.

FM STEREO BUTTON

When the RADIO WAVE BAND selector is placed in the "FM" position, if the FM broadcast station you are listening to is broadcasting in stereo, the FM STEREO indicator will light up.

In certain case, the signal strength of the broadcast station may be weak or varying and this may cause excessive background noise. In these cases adjust the FM EXTERNAL AERIAL and/or press the FM STEREO Button.

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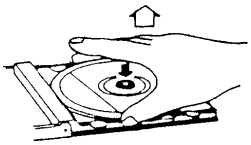
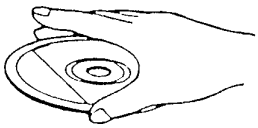
HANDLING COMPACT DISCS

To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.





Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles. Wipe in a straight line from the inside to the outside of the disc. Small dust particles and light stains will have absolutely no effect on reproduction quality.

Never use chemicals such as record sprays, antistatic sprays, benzine, or thinners to clean compact discs. These chemicals can irreparably damage the disc's surface.

Discs should be returned to their cases after use. This avoids serious scratches that could cause the Laser pickup to skip.

Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Long exposure to high temperatures can warp the disc.

LOADING DISCS

LOADING AND UNLOADING COMPACT DISCS

- Set the FUNCTION Selector to the CD position.
- Press the CD Open / Close Button to open the disc compartment.
- Once the CD tray has come out, remove a disc from its case and place it carefully in one of the indentations in the compartment with the label side facing up. Smaller, 3" discs, may also be used with this CD player.
- To load additional CD's press the CD/Disc Skip Button to rotate the CD tray. Upto 3 discs can be placed in the tray at any one time. Smaller 3 inch discs can be used in this unit
- To close the disc compartment press the CD Open/Close Button or Play/Pause button.
- The disc compartment may be opened at any time by pressing the CD Open/Close button.

CAUTION

- Do not put anything except a compact disc into the compartment. Foreign objects can damage the mechanism.
- Do not force the compartment by hand during the opening and closing operations.
- Keep the disc compartment closed when not in use to prevent dirt and dust from entering the mechanism.

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SOUND CONTROLS

AUTOMATIC LEVEL CONTROL (ALC)

This set is equipped with built-in Automatic Level Control (ALC) circuitry. This automatically adjusts the optimum recording level, without overloading, when recording.

HEADPHONES

Headphones should have a 3.5mm diameter stereo plug and an impedance of 8-32 ohms. When headphones are connected, the speakers are automatically disconnected.

PRESET EQUALIZER

This unit is equipped with a preset equalizer which has been added to enhance your listening pleasure by altering the frequency response of the music to give it a different feel.".

Press the PRESET EQ Button repeatedly to cycle through the following equalization modes.

PLAYING DISCS

- Press the OPEN/CLOSE Button to open the disc compartment, and load a CD.
- Close the disc compartment, the unit will search for the first tray to contain a CD and the display will show the total playing time of the CD.
- Press the CD/DISC SKIP Button to select the CD of your choice.
- Press the PLAY/PAUSE Button. Disc play will begin from the start of the first track.

  A particular track can be selected by pressing the ⏭⏭ & ⏮⏮ Buttons. If this is done before pressing the PLAY/PAUSE Button, disc play will start with the selected track when the PLAY/PAUSE Button is pressed.
- At the end of the disc, the unit will switch to stop mode

Notes: *If the disc is deeply scratched, or too dirty, disc play may not start.*

If an improperly disc is played, noise can be heard in the mechanism. The use of such discs should be avoided.

IMPORTANT INFORMATION

This compact disc player has built-in error compensation circuits to correct for minor defects in a disc. There are limits, however, to the amount of correction available.

In some cases, the CD player may skip some tracks on a disc during disc play. This problem may be caused by defects (such as scratches) in the disc being played, which are too large for the error compensation circuits to handle. If you encounter this problem, check the CD player's operation as follows, before having the unit serviced.

Play a new disc. If the CD player operates normally, the skipping problem is probably due to a defective disc.

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TO STOP A CD PART WAY THROUGH

- Press the STOP Button. Disc play will stop, the Play indicator will go off, and the display will show the total number of tracks and the total playing time of the CD.
- To temporarily stop disc play (pause mode), press the PLAY/PAUSE Button. Disc play will pause at the current play position and the display will flash.
- To resume disc play, press the PLAY/PASUE Button again. The Play indicator will be displayed.

TRACK SKIP

TO SKIP TO THE NEXT TRACK ON A DISC

For example, to skip ahead to the beginning of track 5 while track 4 is playing:

- Press the ⏭ Button once. Disc play will start at the beginning of track 5.

  The CD player will skip ahead to the next track each time the ⏭ Button is pressed. Repeatedly pressing the Forward Skip Button makes the CD player skip ahead through the disc track by track. Once the beginning of the last track is reached the CD player will not advance any further.

TO SKIP BACK TO THE PREVIOUS TRACK ON A DISC

For example to skip back to the beginning of track 3 while track 4 is playing:

- Press the ⏮ Button twice. Disc play will start at the beginning of track 3.

  The CD player will skip back one track each time the ⏮ Button is pressed. If this Button is pressed once in the middle of a track, the CD player will skip back to the beginning of that track. To make it skip back to the previous track press the ⏮ Button twice.

  Repeatedly pressing the ⏮ Button makes the CD player skip back through the disc track by track. Once the beginning of the first track is reached, the CD player will not go back any further.

Notes: *The ⏭ & ⏮ Buttons can be used to select a desired track to play before disc play starts. In this case the number of the selected track will be displayed until the Play/Pause Button is pressed.*

DISC SKIP

- To skip to the next disc simply press the CD/DISC Skip Button, the unit will cycle through positions 1 - 2 - 3 - 1 - 2 . . . . . .etc.

  You can direct select the disc by press CD DIRECT ACCESS buttons (DISC 1, DISC 2, DISC 3).

REPEAT DISC PLAY

If the REPEAT Button is pressed during normal or programmed disc play the following repeat functions are displayed in sequence in the CD Display.

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REPEAT ALL DISC	Repeats All the Tracks on All the Discs
REPEAT 1 DISC	Repeats all the tracks on the Current disc.
REPEAT 1	Repeats the current track on the Current disc.

To cancel a repeat mode, keep pressing the REPEAT Button until the REPEAT Indicator is extinguished.

PROGRAMMED DISC PLAY

It is not possible to enter programs during disc play. Press the STOP Button first, then follow the instructions below.

ENTERING A PROGRAM

1. Press the PROGRAM Button, the CD Display will display the word Program, edit and the no. of program with the disc and track no.
2. Press the DISC SKIP Button to select the disc that contains the first track you wish to program.
3. Select the desired track using theTrack SKIP Buttons until the desired track is reached.
4. Press the PROGRAM Button once again, the selected disc and track number is then stored in memory. The CD Display will change to Program edit to next program.
5. Repeat steps 2 - 4 to enter additional tracks. You can store upto 32 programs in memory.

Notes:

If the PLAY/PAUSE Button is pressed before the PROGRAM Button is pressed to store a track, the track will not be programmed, and the disc will start playing from the first selected track.

Any track can be programmed to play more than once.

If you press the STOP Button during PROGRAM mode, the entire program will be erased from memory.

LISTENING TO PROGRAMMED TRACKS

- Program your selection of tracks by following the procedure above.
- Press the PLAY/PAUSE Button.
- Disc play will start at the beginning of the first programmed track.

TO CLEAR PROGRAM MEMORY

- If the disc is playing, press the STOP Button.
- Press the Program Button
- Press the STOP Button again. All the programs will then be erased from memory.
- The program memory will also be cleared if the Function Selector is changed to another function, or if the power is switched off.

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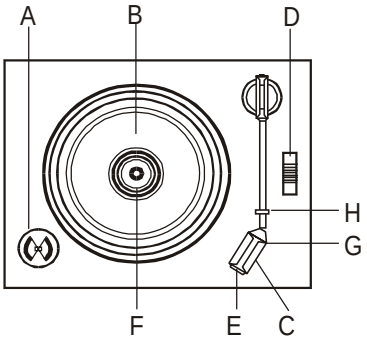
RECORD

RECORD PLAYER UNPACKING - Before playing any records:



A. 45 RPM ADAPTOR
B. TURNTABLE
C. PICK UP ARM
D. 33/45 SPEED SELECTOR
E. HEAD SHELL
F. SPINDLE
G. FINGER LIFT
H. PICK UP ARM REST

* Unlock the PICK UP ARM from the PICK UP ARM REST.

* Remove the stylus cover by pulling it gently forward, away from the HEAD SHELL.

1. Turn the unit on using the STANDBY/ON button.
2. Set the Function Selector to PHONO position.
3. Lift the DUST COVER and select the speed to suit the record you are about to play using the 33/45 RPM SPEED SELECTOR switch.
4. Place the record on the TURNTABLE so that the SPINDLE protrudes through the center hole in the record.
5. Raise the PICK-UP ARM by grasping it lightly at the FINGER LIFT located on the HEAD SHELL and gently move it to the left toward the record. The turntable will now start rotating. More the stylus to the selected point above the record. Lower the PICK-UP ARM gently onto the record groove.
6. When the PICK-UP ARM reaches the end of the record, raise the PICK-UP ARM by grasping it lightly at the FINGER LIFT located on the HEAD SHELL and gently return it to the PICK-UP ARM REST.
7. To stop playing the record mid-way, lift the PICK-UP ARM and swing it gently toward the center of the record to activate the auto-stop mechanism and the TURNTABLE will stop rotating. Now return the PICK-UP ARM back to the PICK-UP ARM REST.
8. To turn the unit off, press the STANDBY/ON button again.

Note:

1. Do not turn off the main power while the TURNTABLE is still rotating to avoid leaving the player in its engaged position.
2. Never allow the PICK-UP ARM to be lowered onto any surface other than a rotating record to avoid serious damage to the stylus.
3. Be careful never to drop the stylus onto the record surface from its raised position to avoid damaging the record surface as well as the stylus.

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LISTENING TO TAPE

INSERTION AND REMOVAL OF CASSETTES

- Press the Stop/Eject Button to open the Cassette Door.
- Slip your cassette tape into the cassette compartment with the exposed section of tape at the bottom and the playback side facing you.
- Close the Cassette Door securely before starting.
- When finished, press the Stop/Eject Button to open the Cassette Door, and retrieve your cassette tape.

PLAYING TAPES

You can choose either Tape Deck A or Tape Deck B for playback.

- Set the FUNCTION selector to TAPE position.
- Insert your cassette tape.
- Press the Play Button to start the tape.
- Use the Pause Button whenever you want to suspend playback.
- Press the Stop/Eject Button when finished.

CONTINUOUS PLAYBACK

- Set the FUNCTION selector to TAPE position.
- Insert two cassette tapes.
- Press the Play Button of deck B.
- Press the Pause Button followed by the Play Button of deck A.
- Deck B will play while Deck A waits.
- Adjust the Volume Control to the appropriate level.
- When Tape B reaches the end and stops, Tape A starts playing back automatically.
- When Tape A reaches the end, it will automatically stop.

RECORDING

RECORDING FROM THE RADIO

- Set the FUNCTION selector to TUNER position.
- Tune in your station and insert a cassette tape into Tape Deck A.
- Press the Record Button and the Play Button at the same time to start recording.
- Press the Stop/Eject Button when finished.

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RECORDING FROM CD

- Set the FUNCTION selector to CD position.
- Press the Record Button and the Play Button at the same time to start recording.
- Press the CD Play/Pause Button to start the disc.
- Press the Stop/Eject Button when finished.

TAPE-TO-TAPE RECORDING (DUBBING)

NORMAL SPEED DUBBING

- Insert a fully rewound prerecorded cassette into Tape Deck B.
- Insert a fully rewound blank cassette tape into Tape Deck A.
- Set the FUNCTION selector to TAPE position.
- Press the Pause Button and then the Play and Record Buttons of Tape Deck A.
- Press the Play Button of Tape Deck B. The contents of the tape in Deck B will now be copied onto the tape in Deck A.
- Adjust the Volume Control to the desired level for monitoring purposes. The recording level will be unaffected by changes in volume.
- To stop recording, press both of the Stop/Eject Buttons.

HIGH SPEED DUBBING

- Press down the HIGH-SPEED DUBBING Button.
- Follow the steps described above for Normal Speed Dubbing.

Notes: *If the length of the tape in Deck B is shorter than that in Deck A, the Play Button of Deck B will be released automatically at the end of the tape. Tape A will continue to record until the tape reaches its end, or its Stop/Eject Button is pressed.*

If the length of the tape in Deck A is shorter than that in Deck B. The Record and Play Buttons of Deck A will be released automatically at the end of tape. Tape B will continue to play until the tape reaches its end, or its Stop/Eject Button is pressed.

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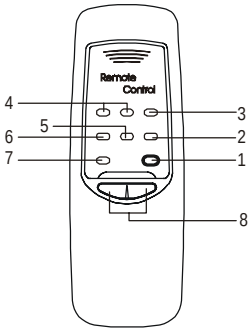
REMOTE CONTROL

1. Power On/Off Button
2. Stop Button
3. Play/Pause Button
4. CD Skip Forward / Backward Button
5. Program Button
6. Disc Button
7. Mute Button
8. Volume Up/Down Button



BATTERY INSTALLATION

Insert 2 AAA (R03S) size batteries into the battery compartment of the remote control and replace the cover.

BATTERY REPLACEMENT

When the batteries become too weak, the operating distance of the remote control is greatly reduced and you will need to replace the batteries.

Notes: *To maintain the accuracy and long life of the transmitter, do not press two or more Buttons simultaneously.*

If the remote control is not to be used for a long time, remove the batteries to prevent possible damage through leaking batteries.

Do not mix different types of batteries, or old batteries with new ones.

USING THE REMOTE CONTROLLER CORRECTLY

Point the remote control at the Remote Sensor.

The functions of the Buttons on the remote control are the same as the corresponding controls on the main unit.

When there is a strong ambient light source, the performance of the infrared Remote Sensor may be degraded, causing unreliable operation.

The maximum effective distance for remote control operation is about 5 meters (16.5 feet).

HEADPHONES

Headphones should have a 3.5 mm diameter stereo plug with an impedence of 8-32 ohms. When headphones are connected, the speakers are automatically disconnected.

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CASSETTE CARE

Two common causes of trouble experienced when using cassettes are:—

(a) Tape jamming - Leading to uneven speed in playback, and

(b) Tape tangling - Where the tape wraps itself around vital parts of the mechanism.

To reduce the likelihood of these problems occurring, the following precautions should be observed.

Check that there are no loose layers of tape visible through the cassette center window (see Fig. 1). Take up any loose layers, using a pencil or hexagonal barrelled ballpoint pen, before inserting the cassette into the machine (see Fig. 2).

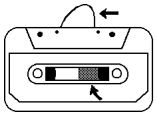


Fig.1

If the cassette feels " tight " while performing operation shown in Fig. 2, the tape may be jamming due to " ridges " formed in the winding of the tape (visible through the center window). These may be removed, in most cases, by fast winding of the cassette from one end to the other and back again.

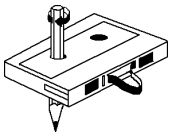


Fig.2

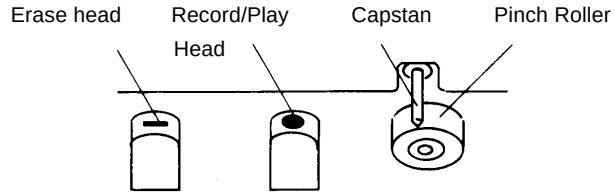
Use only well-known brands of tape.

Avoid use of C-120 cassettes.

Furthermore, do not expose cassettes to direct sunlight, dust or oil, and do not touch the tape surfaces.

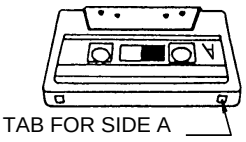
HEAD CLEANING

The tape heads, pinch roller and capstan require periodic cleaning. This removes particles of the metal oxide coating that wear off the tape and accumulate on these parts and impair performance. Switch off the power, press the Stop/Eject Button to open the cassette door, and press the Play Button. Clean the tape heads, pinch roller and capstan with a soft cloth or cotton bud dampened in isopropyl alcohol or special tape head cleaner.



PREVENTION AGAINST ACCIDENTAL ERASURE

To prevent a recording on a cassette tape being erased accidentally, break off the tab on the rear of the tape, as in the diagram. Now recording on this side is no longer possible. You can render this protection ineffective by covering the hole with a piece of adhesive tape.



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MAINTENANCE AND CARE

Electronic products of this kind should never be subjected to extreme temperatures or high humidity. For instance, this set should not be placed in bathing areas or around stoves and radiators.

If necessary, clean the unit with a piece of cloth dampened with water only. (Be sure the AC Power Cord is disconnected from the Mains). Never use a polish or a strong detergent as this will damage the finish of the cabinet.

This equipment has been designed and manufactured to meet the highest international standards, but, like any electrical apparatus which is operated at mains voltage, care must be taken if you are to obtain the best results and safety is to be assured. This is particularly important with audio equipment.

DO. . . Read the operating instructions before you attempt to use the equipment.

DO. . . Ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Check that the mains fuse rating is correct.

DO. . . Always consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment. He is the best person to advise you.

DON'T. . . Obstruct the necessary all around ventilation - especially DON'T position the set close to curtains or on soft furnishing such as carpets. Overheating can cause unnecessary damage and shorten the life of the set.

Remember that to obtain the best performance and lasting satisfaction from your equipment, have it regularly maintained by a reliable service organization. Ensure that it is correctly used by all users.

ABOVE ALL. . .

Never let children push anything into holes or slots in the case - this could result in an electric shock.

Never guess or take chances with electrical equipment of any kind - it is better to be safe than sorry!

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